AIWW Deep Creek Bridge Replacement Information Update

Norfolk District, U.S. Army Corps of Engineers
and City of Chesapeake

December 14, 2009

US Army Corps of Engineers
BUILDING STRONG®

Agenda

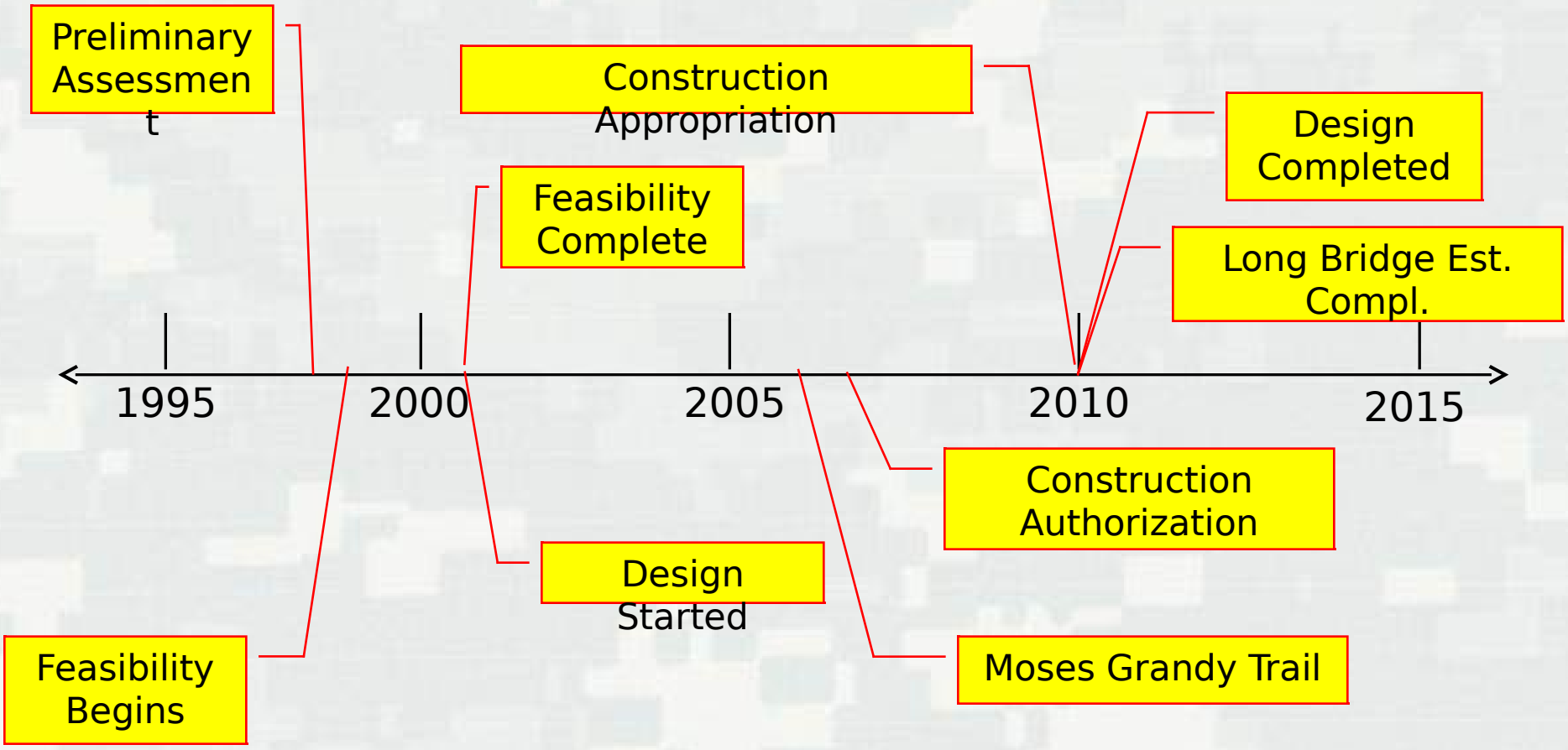
- **Opening Remarks**
- **History**
  - Federal Process
  - Design
- **Current Design**
  - Bridge Layout
  - Road Layout
  - Signalization
  - Construction Sequencing
  - Construction Milestones
- **RE Acquisition Plan**
- **Current Funding**
- **Tentative Schedule**
  - Funding Requirements
  - PPA Status
  - Utility Relocations
  - RE Acquisition
  - Construction

Norfolk District
and
City of Chesapeake

Federal Process

- ✓Reconnaissance Study (Section 216, PL 91-611)
- ✓Feasibility Study (Section 216, PL 91-611)
- ✓NEPA
- ✓Pre-Construction Engineering and Design
- ✓Permitting ***
- ✓Construction Authorization (WRDA 2007)
- ➢Plans and Specifications
- ➢Construction Appropriations (FY10)
- •Project Partnership Agreement
- •Real Estate Acquisition
- •Contract Advertisement

Project History



Navigation Connection

Deep Creek Bridge

Located on Cedar Road east of George Washington Highway
Crosses the Dismal Swamp Canal

Single bascule span, two lane bridge operated by the U.S. Army Corps of Engineers
Unmanned; opens in conjunction with the Deep Creek Locks.
Scheduled operations at 8:30 AM, 11:00 AM, 1:30 PM, and 3:30 PM

Constructed in 1934
Daily Vehicle Traffic: 18,000
Height (At Mean Water): 4 feet

Weight Limits:
- 20 Tons/40,000 lbs (Single Units)
- 29 Tons/58,000 lbs (Semi-Trailers)
- 39 Tons/78,000lbs (Twin Trailers)

Unmanned; opens in conjunction with the Deep Creek Locks.

Scheduled operations at 8:30 AM, 11:00 AM, 1:30 PM, and 3:30 PM

URS

Chesapeake VIRGINIA

Design History

Design History

Project will consist of replacing the obsolete structure with a split leaf eastbound two-lane with sidewalk and westbound three-lane, low-level, fast acting, pit bascule bridge located south of and parallel to the existing bridge's centerline. The approach roads include all transportation network tie-ins on either side of the bridge, including intersections. The existing bridge will be demolished.

Current Design

- Bridge Layout
- Road Layout
- Signalization
- Construction Sequencing
- Construction Milestones

Bridge Layout

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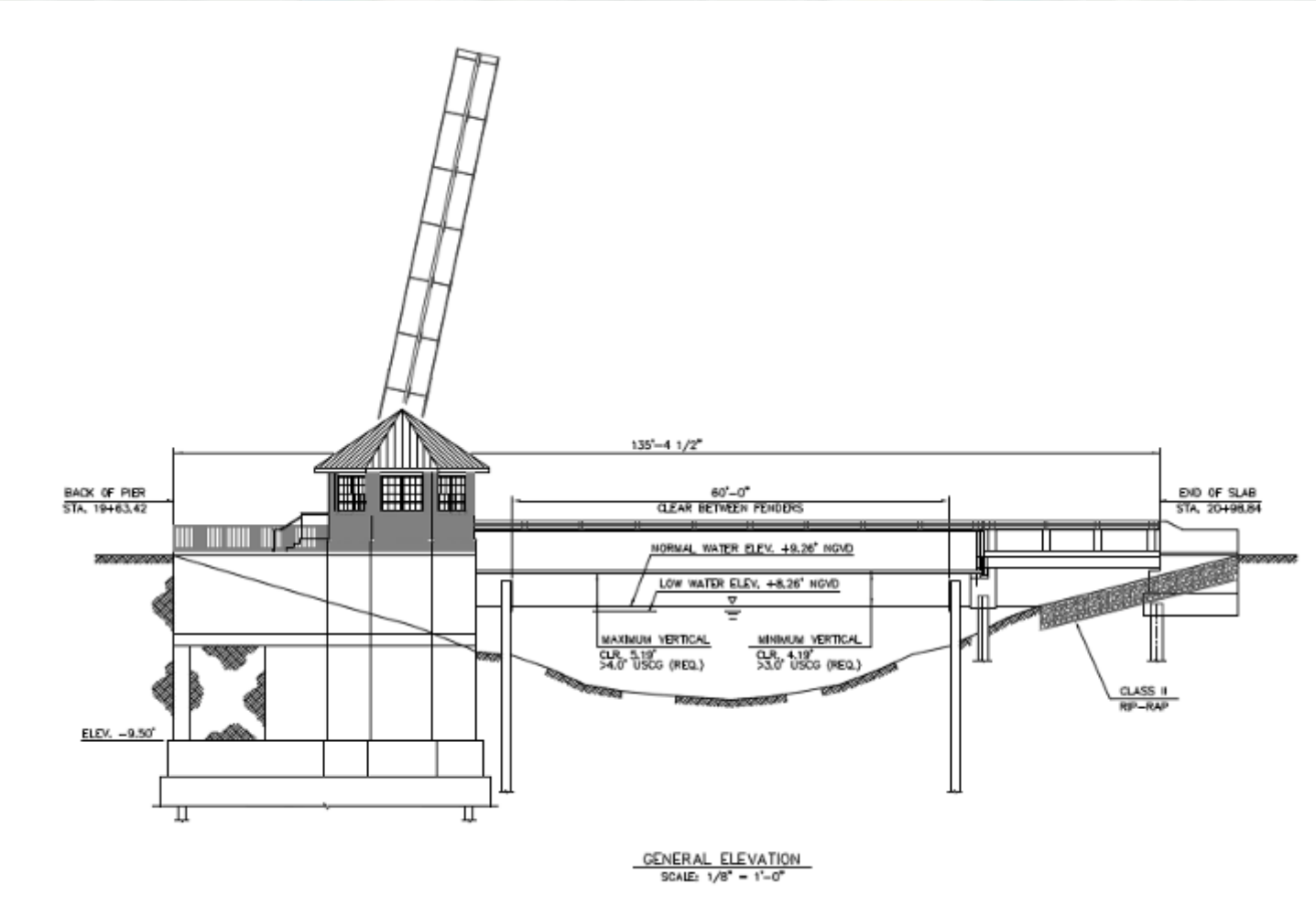
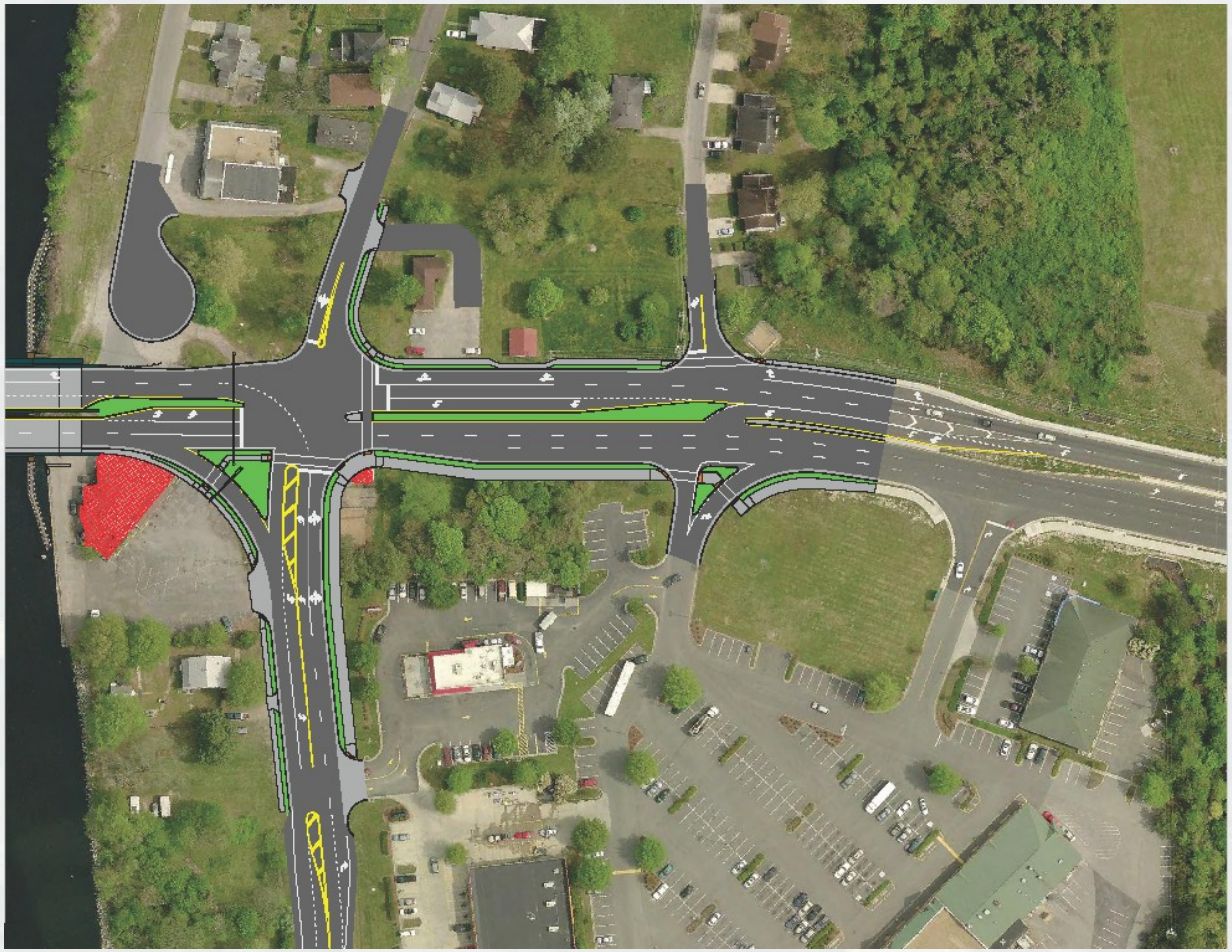
Chesapeake VIRGINIA

Bridge Layout



Road Layout - East



Road Layout - West

REAL ESTATE

Real Estate Acquisition Plan

- Title search for each parcel
- Contract appraisal ordered
- Appraiser contacts land owners
- Acquisition surveys prepared for each parcel
- Appraisals, surveys and title reports received

Real Estate Acquisition Plan

- Offer to purchase prepared
- Property owner contacted
- Project discussed, offer made, concerns discussed and negotiated
- Price agreed to and offer to purchase signed
- Real estate closing

Tentative Schedule

- Funding Requirements
- PPA Status
- Utility Relocations – FY11
- RE Acquisition – FY11/12
- Construction – FY 12/13

Dependent upon Congressional Appropriations

Additional Information

- **www.nao.usace.army.mil**
- **deepcreek@usace.army.mil**
- **http://www.flickr.com/photos/armyengineersnorfolk/**